

Claims:

1. A car-mounted imaging apparatus including two-dimensional imaging means having a large number of pixels arranged in a two-dimensional matrix, comprising:

pixel information addition means for combining a plurality of said pixels, and adding and extracting pixel information of said pixels;

wherein the number of combination of said pixels is changed so as to render a frame rate variable.

2. A car-mounted imaging apparatus including two-dimensional imaging means having a large number of pixels arranged in a two-dimensional matrix, comprising:

pixel information addition means for combining a plurality of said pixels, and adding and extracting pixel information of said pixels; and

area designation means for designating areas for which said pixel information is added;

wherein the number of combination of said pixels in said area is changed so as to render a frame rate in said area variable.

3. A car driving assistance apparatus for imaging an image in front of an own car, judging existence/absence of an obstacle in front of the own car on the basis of the image so taken, and executing control to avoid said obstacle or to conduct pre-crash, wherein acquisition of said image is made through said car-mounted imaging apparatus according to claim 1 or 2.

4. A car driving assistance apparatus for imaging an image inside a cabin of an own car, judging whether or not a driver is a registered driver, whether or not any person exists on an assistant driver's seat or whether or not any person or persons exist on rear seats on the basis of the image so taken, and executing control for burglarproofing of the car, control for inhibiting expansion of an air bag of the assistant driver's seat or control for an effective operation of an air conditioner on the basis of the result of the judgement, wherein acquisition of said image is made through said car-mounted imaging apparatus according to claim 1 or 2.